

# Case Study Report



## Project Identification

Customer: Brybelly  
Location: Greenfield, Indiana

## Design Specifications

Facility Warehouse 200,000' x 36' High  
Winter Operation 65° – 0°

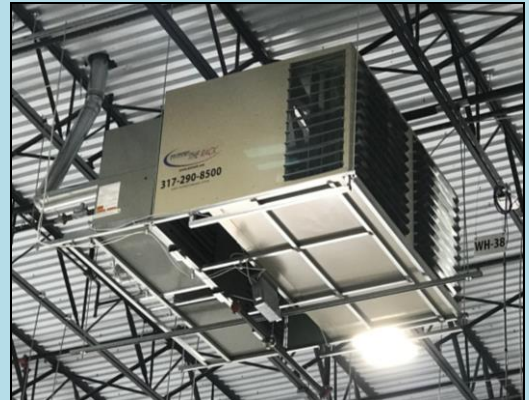


## Project Challenge:

Brybelly built a new warehouse in Greenfield, IN to distribute their vast array of products across the Midwest. Brybelly wanted an energy efficient HVAC system that would provide summer ventilation, heat to 65° in the winter and qualify for a utility incentive.

## Equipment Solution:

Air Energy designed a heating and ventilation system that was comprised of (4) ER-242-800 and (2) 24" x 36" Intake Hoods. The hoods deliver outside air into the facility to satisfy ASHRAE 62.1. The (4) ER-242-800 carry the heat load in the facility and provide 1 air change per hour. **By installing the (4) Rack Units, Brybelly reduced their utility cost by \$.18/sqft.**



## Results of Rack System:

Brybelly experienced Annual Savings totaling **\$29,480**:

- Electrical – 52,280 kWh at \$.10/kWh
- Natural Gas – 32,376 therms at \$.80/therm

Brybelly received verified Vectren Rebate:

- Vectren – Natural Gas: **\$24,251**



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